

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A liquid crystal display device, comprising:
 - a plurality of liquid crystal cells on a substrate;
 - ~~a plurality of drive lines extending along first and second directions and connected to the plurality of liquid crystal cells;~~
 - ~~a plurality of pads, each extending at an angle from an edge of the substrate; and~~
 - ~~a plurality of corresponding pad lines, each extending at the same angle as the angle of the corresponding pad and interconnected between each of the plurality of drive lines and pads~~
 - a plurality of first drive lines extending along a first direction and connected to the plurality of liquid crystal cells;
 - a plurality of second drive lines extending along a second direction and connected to the plurality of liquid crystal cells;
 - a plurality of first pad lines extending from the plurality of first drive lines at first angles from the first direction;
 - a plurality of second pad lines extending from the plurality of second drive lines at second angles from the second direction;
 - a plurality of first pads, each extending at the same angle as the angle of the corresponding first pad line and connected to the corresponding first pad line for supplying external drive signals; and
 - a plurality of second pads, each extending at the same angle as the angle of the corresponding second pad line and connected to the corresponding second pad line for supplying external drive signals,
 - wherein the first pads and the first pad lines are formed at relatively large angles in a case where the first drive lines are located at an upper or lower part of a first driving circuit.
2. (Currently Amended) The device according to claim 1, wherein the first plurality of drive lines includes gate lines.

3. (Canceled)

4. (Currently Amended) The device according to claim 1~~[[3]]~~, further includes a tape carrier package having a signal pad extending at the first angle and electrically contracting the plurality of first pads.

5. (Currently Amended) The device according to claim 4, further includes ~~[[a]]~~the driving circuit mounted on the tape carrier package for supplying the external drive signals.

6. (Withdrawn) A method of fabricating a liquid crystal display device having a matrix array of liquid crystal cells, comprising the steps of:

- forming a drive line to extend along a first direction on a substrate;
- forming a pad line to extend from the drive line at a first angle from the first direction;
- forming a pad to extend at the first angle and connected to the pad line;
- forming an insulating film material on the substrate to cover the pad line and the pad;
- forming a contact hole in the insulating film to expose the pad; and
- forming an electrode pattern on the insulating film to connect to the pad through the contact hole.

7. (Withdrawn) The method according to claim 6, wherein the plurality of drive lines includes gate lines and data lines.

8. (Withdrawn) The method according to claim 6, wherein the plurality of pads extending at the first angle are disposed along an edge of the substrate.

9. (Withdrawn) The method according to claim 8, further includes a tape carrier package having a signal pad extending at the first angle and electrically contacting the plurality of pads.

10. (Withdrawn) The method according to claim 9, further includes a driving circuit mounted on the tape carrier package for supplying external drive signals.

11. (Currently Amended) A liquid crystal display device, comprising:
a substrate;
a plurality of orthogonal drive lines on the substrate;
a plurality of pads extending at a first acute angle from an edge of the substrate; and
a plurality of pad lines extending at the first acute angle and interconnected between each
of the plurality of orthogonal drive lines and pads,
wherein the pads and the pad lines are formed at relatively large angles in a case where
the drive lines are located at an upper or lower part of a driving circuit.

12. (Original) The device according to claim 11, wherein the plurality of drive lines
includes gate lines and data lines.

13. (Original) The device according to claim 11, wherein the plurality of pads extending
at the first angle are disposed at the edge of the substrate.

14. (Original) The device according to claim 13, further includes a tape carrier package
having a signal pad extending at the first angle and electrically contacting the plurality of pads.

15. (Currently Amended) The device according to claim 14, further includes ~~[[a]]~~the
driving circuit mounted on the tape carrier package for supplying external drive signals to the
plurality of drive lines.

16. (Withdrawn) A method of fabricating a liquid crystal display device, comprising the
steps of:

forming a plurality of drive lines to extend along first and second directions on a
substrate;

forming a plurality of pad lines to extend from the plurality of drive lines at a first acute
angle from an edge of the substrate;

forming a plurality of pads to extend at the first acute angle and connect to the plurality
of pad lines;

forming an insulating film material on the substrate to cover the plurality of pad lines and the plurality of pads.

forming a plurality of contact holes in the insulating film to expose the plurality of pads;
and

forming an electrode patterns on the insulating film to connect to the plurality of pads through the plurality of contact holes.

17. (Withdrawn) The method according to claim 16, wherein the plurality of drive lines includes gate lines and data lines.

18. (Withdrawn) The method according to claim 17, further includes a tape carrier package having a signal pad extending at the first acute angle and electrically contacting the plurality of pads.

19. (Withdrawn) The method according to claim 18, further includes a driving circuit mounted on the tape carrier package for supplying external drive signals.

20. (Withdrawn) The method according to claim 18, wherein the signal pad directly overlaps the plurality of pads.